

JP01282280**ANSWER 1 OF 2 CAPLUS:**

ACCESSION NUMBER: 1990:140936 CAPLUS
DOCUMENT NUMBER: 112:140936
TITLE: Hot-melt propylene polymer adhesive compositions
INVENTOR(S): Kawasaki, Eiichi; Sakata, Kenji; Kitamura, Tadashi;
Yashiro, Kenichi
PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01282280	A2	19891114	JP 1988-110408	19880509
PRIORITY APPLN. INFO.:			JP 1988-110408	19880509

AB Hot-melt adhesives for bonding of polyolefin articles contain 70-98 parts amorphous propylene polymers and 2-30 parts plasticizer. Thus, MAP (amorphous polypropylene) 95, Shellflex 371JY (naphthenic oil) plasticizer 5, and Irganox 1010 1 part were heated and melt mixed to give a compn., which was applied on polyethylene sheets and bonded after 5 and 30 s to give test pieces showing T-type peeling strength 5.3 and 4.2 kg/25 mm, resp.

ANSWER 2 OF 2 WPIX:

ACCESSION NUMBER: 1989-375114 [51] WPIX
DOC. NO. CPI: C1989-166420
TITLE: Polypropylene hot melt adhesive compsn. - contg.
amorphous polypropylene and plasticiser for strong
adhesion to polyolefin plastics.
DERWENT CLASS: A17 A81 G03
PATENT ASSIGNEE(S): (MITK) MITSUI TOATSU CHEM INC
COUNTRY COUNT: 1
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP 01282280	A	19891114	(198951)*		5

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 01282280	A	JP 1988-110408	19880509

PRIORITY APPLN. INFO: JP 1988-110408 19880509

AN 1989-375114 [51] WPIX

AB JP 01282280 A UPAB: 19930923

Compsn. contains (A) amorphous polypropylene and (B) plasticiser.
(A) has 80-160 deg.C of softening point. (B) is naphthene process oil, paraffin process oil, aroma process oil, liq. polybutene, liq. polyisoprene, liq. polybutadiene, liq. isobutylene and their mixt. (A) is 70-98 wt. parts and (B) is 2-30 wt. parts. The compsn. is prepd. by melt mixing.

USE/ADVANTAGE - It has strong adhesion for glue resistant polyolephin plastics such as polypropylene, ethylene, and propylene copolymer, by e.g. attaching polyethylene parts to polypropylene container, constructing polyethylene and polypropylene container and sticking together

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polyethylene sheets and polypropylene non-woven fabric. It also has heat resistant adhesive effect and processability.

In an example, 95 wt.pts. of MAP (RTM, amorphous atactic polypropylene), 5 wt.pts. of SHELLFLEX 371JY (RTM, plasticiser) and IRGANOX 1010 (RTM, antioxidant) are melt mixed to give hot melt adhesive. It has 5.3 kg/25 mm T-peeling strength (open time 5 sec.) and 110 deg.C of heat resistance of adhesive as opposed to 1.5 and 90 using 60 wt. parts of MAP and 40 wt. parts of NISSEKI POLYBUTENE HV-300 (RTM, plasticiser).

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